

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: Unknown )  
Filing Date: Unknown )  
Priority Date: 15 November 2000 )  
Applicants: FORREST, Simon and BINGHAM, Neil )  
For: METHOD FOR PRODUCING A USER )  
INTERFACE TRANSLATION SYSTEM )

**PRELIMINARY AMENDMENT**

Director For Patents  
Box: New Application  
Washington, D.C. 20231

Dear Sir:

This is a preliminary amendment to the enclosed application entitled "Method for Producing a User Interface Translation System" claiming priority to British Patent Application No. 0027811.9 filed 15 November 2000.

**In the Specification:**

Please amend the specification as follows:

Page 1, after the title, insert the following headers and paragraph:

**--CROSS-REFERENCE TO RELATED APPLICATION**

This application claims priority to British Patent Application No. 0027811.9 filed 15 November 2000.

**BACKGROUND OF THE INVENTION-**

Page 2, before line 9, insert the Header:

**--SUMMARY OF THE INVENTION-**

Page 4, line 6, change "characterised" to --characterized--.

Page 5, lines 14 and 17, change "colour" to --color; line 16 two occurrences, change "colour" to --color--.

Page 6, before the first line insert the following header:

**--BRIEF DESCRIPTION OF THE DRAWINGS--**

Page 6, before line 8, add the Header:

**--DESCRIPTION OF THE PREFERRED EMBODIMENTS--**

Page 9, line 26, change "favourite" to --favorite--; line 27, change "programme" to --program--.

Page 10 after the last line, insert the following paragraph:

--While the invention has been described with a certain degree of particularity, it is manifest that many changes may be made in the details of construction and the arrangement of components without departing from the spirit and scope of this disclosure. It is understood that the invention is not limited to the embodiments set forth herein for purposes of exemplification, but is to be limited only by the scope of the attached claim or claims, including the full range of equivalency to which each element thereof is entitled.--

**IN THE CLAIMS:**

1. (Amended) A method for producing a user interface translation system for an electronic device[, said device] having a display screen for display of a user interface, [and characterised in that] said method [includes] comprising the steps of:

attaching a unique label to each language component of the user interface[.];

storing data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other

language[,];

linking the stored data with the user interface[.];

matching each unique label of the interface with the equivalent unique label of the recorded data; and[.]

upon selection of one of the available languages, [and] inserting the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

2. (Amended) A method according to claim 1 [characterised in that the] wherein said storage means in which the data is recorded includes a file containing [the] said unique labels of each language component of the interface.

3. (Amended) A method according to claim 2 [characterised in that the] wherein said unique labels within [the] said file are linked to a plurality of foreign translations corresponding to each language component.

4. (Amended) A method according to claim 1 [characterised in that the] wherein said electronic device is a broadcast data receiver.

5. (Amended) A method according to claim 1 [characterised in that the] wherein said unique labels are provided with delimiting means.

6. (Amended) A method according to claim 1 [characterised in that the] wherein said

language components of [the] said user interface include words, numbers, symbols and/or sentences

7. (Amended) A method according to claim 1 [characterised in that the] wherein said language components are provided at specific locations and/or in buttons on [the] said user interface.

8. (Amended) A method according to claim 7 [characterised in that the] wherein said user interface translation system adjusts the size of the locations and/or buttons of the interface accordingly to allow the translation to fit therein.

9. (Amended) An electronic device having a user interface translation system, said device [having] comprising:

a display screen [for display of];

a user interface[, and characterised in that said user interface translation system includes] including the attachment of unique labels to each language component of the user interface, the storage of data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language, the stored data being linked with the user interface so that each unique label of the user interface is matched with an equivalent unique label of the stored data, and whereupon selection of one of the available languages results in the insertion of the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

10. (Amended) An electronic device according to claim 9 [characterised in that the] wherein said display screen is a television set connected to or integrally formed with said device.

11. (Amended) An electronic device according to claim 9 [characterised in that the] wherein said device is a broadcast data receiver.

12. (New) An electronic device, said device comprising:  
a display screen;  
a user interface translation system including  
a plurality of unique labels;  
a plurality of language components;  
means for attachment of unique labels to each language component;  
storage means for the storage of data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language;  
linkage means of the stored data with the user interface so that each unique label of the user interface is matched with an equivalent unique label of the stored data, and whereupon selection of one of the available languages results in the insertion of the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

13. (New) An electronic device according to claim 12 wherein said display screen is a

television set connected to or integrally formed with said device.

14. (New) An electronic device according to claim 12 wherein said device is a broadcast data receiver.

### REMARKS

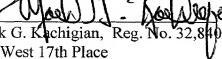
Attached is the clean version of the claims and new paragraphs as required in Section 1.121(4) (ii).

The application should now be in condition for examination, which is respectfully requested.

Respectfully Submitted

HEAD, JOHNSON & KACHIGIAN

Dated: 14 November 2001

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**New Header to be Inserted on Page 1, before line 1:**

**--CROSS-REFERENCE TO RELATED APPLICATION**

This application claims priority to British Patent Application No.  
0027811.9 filed 15 November 2000

**BACKGROUND OF THE INVENTION**

## SUMMARY OF THE INVENTION



**Replacement Paragraph to be Inserted into Page 4:**

According to a second aspect of the present invention there is provided an electronic device having a user interface translation system, said device having a display screen for display of a user interface, and characterized in that said user interface translation system includes the attachment of unique labels to each language component of the user interface, the storage of data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language, the stored data being linked with the user interface so that each unique label of the user interface is matched with an equivalent unique label of the stored data, and whereupon selection of one of the available languages results in the selection and insertion of the required translation of the language components into the user interface from the stored data corresponding to the equivalent unique labels.

**Replacement Paragraph to be Inserted into Page 5:**

A yet further advantage of the present invention is that since the translate system simply implements replacement of the unique label, its usage may be extended beyond translations. For example, if a common background color is used on all user interface screens, a special label may be used that contains that color information. If this color then needs to be changed, only the color in the single translation file needs to be changed, rather than many files as is required conventionally.



### Replacement Paragraph to be Inserted Into Page 9:

(Note the locales used as directory names.) The UK interface is considered to be the "common" set of resources; if the file is not available in the target locale directory then the UK one is chosen as the default. In the example above, the favorite programs interface display (favorites.htm) has had to have a modification to specify a larger button size in the German interface; note that the Spanish directory is empty, and therefore

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**New Paragraph for Page 10 to be Inserted After the Last Line:**

While the invention has been described with a certain degree of particularity, it is manifest that many changes may be made in the details of construction and the arrangement of components without departing from the spirit and scope of this disclosure. It is understood that the invention is not limited to the embodiments set forth herein for purposes of exemplification, but is to be limited only by the scope of the attached claim or claims, including the full range of equivalency to which each element thereof is entitled.

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## Clean Version of the Claims

1. (Amended) A method for producing a user interface translation system for an electronic device having a display screen for display of a user interface, said method includes the steps of:

attaching a unique label to each language component of the user interface;  
storing data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language;

linking the stored data with the user interface;

matching each unique label of the interface with the equivalent unique label of the recorded data; and

upon selection of one of the available languages, inserting the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

2. (Amended) A method according to claim 1 wherein said storage means in which the data is recorded includes a file containing said unique labels of each language component of the interface.

3. (Amended) A method according to claim 2 wherein said unique labels within said file are linked to a plurality of foreign translations corresponding to each language component.

4. (Amended) A method according to claim 1 wherein said electronic device is a broadcast data receiver.

5. (Amended) A method according to claim 1 wherein said unique labels are provided with delimiting means.

6. (Amended) A method according to claim 1 wherein said language components of said user interface include words, numbers, symbols and/or sentences

7. (Amended) A method according to claim 1 wherein said language components are provided at specific locations and/or in buttons on said user interface.

8. (Amended) A method according to claim 7 wherein said user interface translation system adjusts the size of the locations and/or buttons of the interface accordingly to allow the translation to fit therein.

9. (Amended) An electronic device having a user interface translation system, said device comprising:

a display screen;

a user interface includes the attachment of unique labels to each language component of the user interface, the storage of data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language, the stored data being linked with the user interface so that each unique label of the user interface is matched with an equivalent unique label of the stored data, and whereupon selection of one of the available languages results in the insertion of the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

10. (Amended) An electronic device according to claim 9 wherein said display screen is a television set connected to or integrally formed with said device.

11. (Amended) An electronic device according to claim 9 wherein said device is a broadcast data receiver.

12. (New) An electronic device, said device comprising:

a display screen;

a user interface translation system including

a plurality of unique labels;

a plurality of language components;

means for attachment of unique labels to each language component;

storage means for the storage of data relating to each unique label of the language components in storage means, together with equivalent translations of each language component into at least one other language;

linkage means of the stored data with the user interface so that each unique label of the user interface is matched with an equivalent unique label of the stored data, and whereupon selection of one of the available languages results in the insertion of the required translation of the language components into the user interface from the recorded data corresponding to the equivalent unique labels.

13. (New) An electronic device according to claim 12 wherein said display screen is a television set connected to or integrally formed with said device.

14. (New) An electronic device according to claim 12 wherein said device is a broadcast data receiver.